

EXHIBIT B

Display Settings: Summary, 20 per page, Sorted by Recently Added

Source: Gene Database

Are you looking for gene information?

pe38 AcMNPV orf153 [Bombyx mori NPV][pe38 in Bombyx mori NPV](#) | [Hyphantria cunea nucleopolyhedrovirus](#) | [Epiphyas postvittana NPV](#) | [All 5 Gene records](#)**Results: 1 to 20 of 195**

1. **Bioengineering a unique deimmunized bispecific targeted toxin that simultaneously recognizes human CD22 and CD19 receptors in a mouse model of B-cell metastases.**
Vallera DA, Oh S, Chen H, Shu Y, Frankel AE.
Mol Cancer Ther. 2010 Jun;9(6):1872-83. Epub 2010 Jun 8.
PMID: 20530709 [PubMed - in process]
2. **A recombinant immunotoxin targeting CD22 with low immunogenicity, low nonspecific toxicity, and high antitumor activity in mice.**
Hansen JK, Weldon JE, Xiang L, Beers R, Onda M, Pastan I.
J Immunother. 2010 Apr;33(3):297-304.
PMID: 20445350 [PubMed - in process]
3. **Interstitial infusion of glioma-targeted recombinant immunotoxin 8H9scFv-PE38.**
Luther N, Cheung NK, Souliopoulos EP, Karempelas I, Bassiri D, Edgar MA, Guo HF, Pastan I, Gutin PH, Souweidane MM.
Mol Cancer Ther. 2010 Apr;9(4):1039-46. Epub 2010 Apr 6.
PMID: 20371725 [PubMed - in process]
4. **Anti-CD22 immunotoxin RFB4(dsFv)-PE38 (BL22) for CD22-positive hematologic malignancies of childhood: preclinical studies and phase I clinical trial.**
Wayne AS, Kreitman RJ, Findley HW, Lew G, Delbrook C, Steinberg SM, Stettler-Stevenson M, Fitzgerald DJ, Pastan I.
Clin Cancer Res. 2010 Mar 15;16(6):1894-903. Epub 2010 Mar 9.
PMID: 20215554 [PubMed - in process]
5. **Angiotensin receptor blocker protection against podocyte-induced sclerosis is podocyte angiotensin II type 1 receptor-independent.**
Matsusaka T, Asano T, Niimura F, Kinomura M, Shimizu A, Shintani A, Pastan I, Fogo AB, Ichikawa I.
Hypertension. 2010 Apr;55(4):967-73. Epub 2010 Feb 8.
PMID: 20142565 [PubMed - indexed for MEDLINE]
6. **Investigation of a plasmid containing a novel immunotoxin VEGF165-PE38 gene for antiangiogenic therapy in a malignant glioma model.**
Hu CC, Ji HM, Chen SL, Zhang HW, Wang BQ, Zhou LY, Zhang ZP, Sun XL, Chen ZZ, Cai YQ, Qin LS, Lu L, Jiang XD, Xu RX, Ke YQ.
Int J Cancer. 2010 Feb 2. [Epub ahead of print]
PMID: 20127864 [PubMed - as supplied by publisher]
7. **A flow cytometry method to quantitate internalized immunotoxins shows that taxol synergistically increases cellular immunotoxins uptake.**
Zhang Y, Hansen JK, Xiang L, Kawa S, Onda M, Ho M, Hassan R, Pastan I.
Cancer Res. 2010 Feb 1;70(3):1082-9. Epub 2010 Jan 26.
PMID: 20103626 [PubMed - indexed for MEDLINE]
8. **Initial characterization of an immunotoxin constructed from domains II and III of cholera exotoxin.**
Sarnovsky R, Tendler T, Makowski M, Kiley M, Antignani A, Traini R, Zhang J, Hassan R, Fitzgerald DJ.
Cancer Immunol Immunother. 2010 May;59(5):737-46. Epub 2009 Nov 29.
PMID: 20091030 [PubMed - indexed for MEDLINE]
9. **Enhanced formation of disulfide-bridged dimer (Fab-PE38)2 utilizing repeats of the Fab binding domain of protein G.**
Lee Y, Park J, Kweon S, Choe M.
J Biol Chem. 2010 Feb 19;285(8):5127-31. Epub 2009 Dec 18.
PMID: 20022943 [PubMed - indexed for MEDLINE]
10. **A novel composite immunotoxin that suppresses rabies virus production by the infected cells.**
Mareeva T, Wanjalla C, Schnell MJ, Sykulev Y.
J Immunol Methods. 2010 Feb 28;353(1-2):78-86. Epub 2009 Nov 22.
PMID: 19932697 [PubMed - indexed for MEDLINE]
11. **Immunotoxin BL22 induces apoptosis in mantle cell lymphoma (MCL) cells dependent on Bcl-2 expression.**
Bogner C, Dechow T, Ringshausen I, Wagner M, Oelsner M, Lutzny G, Licht T, Peschel C, Pastan I, Kreitman RJ, Decker T.
Br J Haematol. 2010 Jan;148(1):99-109. Epub 2009 Oct 11.
PMID: 19821820 [PubMed - indexed for MEDLINE]

12. Design and modification of EGF4KDEL 7Mut, a novel bispecific ligand-directed toxin, with decreased immunogenicity and potent anti-mesothelioma activity.
Stish BJ, Oh S, Chen H, Dudek AZ, Kratzke RA, Vallera DA.
Br J Cancer. 2009 Oct 6;101(7):1114-23.
PMID: 19755995 [PubMed - Indexed for MEDLINE]
13. Affitoxin—a novel recombinant, HER2-specific, anticancer agent for targeted therapy of HER2-positive tumors.
Zielinski R, Lyakhov I, Jacobs A, Chertov O, Kramer-Marek G, Francella N, Stephen A, Fisher R, Blumenthal R, Capala J.
J Immunother. 2009 Oct;32(8):817-25.
PMID: 19752752 [PubMed - in process]
14. Removal of B cell epitopes as a practical approach for reducing the immunogenicity of foreign protein-based therapeutics.
Nagata S, Pastan I.
Adv Drug Deliv Rev. 2009 Sep 30;61(11):977-85. Epub 2009 Aug 11. Review.
PMID: 19679153 [PubMed - indexed for MEDLINE]
15. Phase I trial of continuous infusion anti-mesothelin recombinant immunotoxin SS1P.
Kreitman RJ, Hassan R, Fitzgerald DJ, Pastan I.
Clin Cancer Res. 2009 Aug 15;15(16):5274-9. Epub 2009 Aug 11.
PMID: 19671873 [PubMed - Indexed for MEDLINE]
16. Activation of T cells: releasing the brakes by proteolytic elimination of Cbl-b.
Schmitz ML.
Sci Signal. 2009 Jun 23;2(76):pe38. Review.
PMID: 19549983 [PubMed - indexed for MEDLINE]
17. Phase II trial of recombinant immunotoxin RFB4(dsFv)-PE38 (BL22) in patients with hairy cell leukemia.
Kreitman RJ, Stetler-Stevenson M, Margulies I, Noel P, Fitzgerald DJ, Wilson WH, Pastan I.
J Clin Oncol. 2009 Jun 20;27(18):2983-90. Epub 2009 May 4.
PMID: 19414673 [PubMed - indexed for MEDLINE] Free PMC Article Free text
18. Recombinant immunotoxins containing truncated bacterial toxins for the treatment of hematologic malignancies.
Kreitman RJ.
BioDrugs. 2009;23(1):1-13. doi: 10.2165/00063030-200923010-00001. Review.
PMID: 19344187 [PubMed - indexed for MEDLINE] Free PMC Article Free text
19. Higher cytotoxicity of divalent antibody-toxins than monovalent antibody-toxins.
Won J, Nam P, Lee Y, Choe M.
Biochem Biophys Res Commun. 2009 Apr 24;382(1):15-20. Epub 2009 Feb 24.
PMID: 19245794 [PubMed - indexed for MEDLINE]
20. CAT-8015: a second-generation *pseudomonas* A-based immunotherapy targeting CD22-expressing hematologic malignancies.
Alderson RF, Kreitman RJ, Chen T, Yeung P, Herbst R, Fox JA, Pastan I.
Clin Cancer Res. 2009 Feb 1;15(3):832-9.
PMID: 19188153 [PubMed - indexed for MEDLINE] Free PMC Article Free text

Display Settings: Summary, 20 per page, Sorted by Recently Added

Results: 21 to 40 of 195

21. IL-13 cytotoxin has potent antitumor activity and synergizes with paclitaxel in a mouse model of oral squamous cell carcinoma.
Kioi M, Shimamura T, Nakashima H, Hirota M, Tohnai I, Husain SR, Puri RK.
Int J Cancer. 2009 Mar 15;124(6):1440-8.
PMID: 19065664 [PubMed - indexed for MEDLINE]
22. A protease-resistant immunotoxin against CD22 with greatly increased activity against CLL and diminished animal toxicity.
Weldon JE, Xiang L, Chertov O, Margulies I, Kreitman RJ, FitzGerald DJ, Pastan I.
Blood. 2009 Apr 16;113(16):3792-800. Epub 2008 Nov 6.
PMID: 18988662 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)
23. Human mesenchymal stem cells-like cells as cellular vehicles for delivery of immunotoxin in vitro.
Hu CC, Ke YQ, Sun XL, Jiang XD, Xu RX, Lv J, Wang YS, Cai YQ, Qin LS, Zou YX.
Biotechnol Lett. 2009 Feb;31(2):181-9. Epub 2008 Oct 16.
PMID: 18923908 [PubMed - indexed for MEDLINE]
24. The MUC1 oncoprotein as a functional target: immunotoxin binding to alpha/beta junction mediates cell killing.
Rubinstein DB, Karmely M, Pichinuk E, Ziv R, Benhar I, Feng N, Smorodinsky NI, Wreschner DH.
Int J Cancer. 2009 Jan 1;124(1):46-54.
PMID: 18821582 [PubMed - indexed for MEDLINE]
25. Novel role of IL-13 in fibrosis induced by nonalcoholic steatohepatitis and its amelioration by IL-13R-directed cytotoxin in a rat model.
Shimamura T, Fujisawa T, Husain SR, Kioi M, Nakajima A, Puri RK.
J Immunol. 2008 Oct 1;181(7):4656-65.
PMID: 18802068 [PubMed - indexed for MEDLINE] [Free Article](#)
26. Identification of baculoviral factors required for the activation of enhancer-like polyhedrin upstream (pu) sequence.
Wu CP, Wang JY, Huang TY, Lo HR, Chao YC.
Virus Res. 2008 Dec;138(1-2):7-16. Epub 2008 Sep 11.
PMID: 18760315 [PubMed - indexed for MEDLINE]
27. Disulfide bond bridged divalent antibody-toxin, (Fab-PE38f)2, with the toxin PE38 fused to the light chain.
Won J, Choe M.
J Microbiol Biotechnol. 2008 Aug;18(8):1475-81.
PMID: 18756111 [PubMed - indexed for MEDLINE] [Free Article](#)
28. Dinucleotide-sensing proteins: linking signaling networks and regulating transcription.
Lamb HK, Stammers DK, Hawkins AR.
Sci Signal. 2008 Aug 19;1(33):pe38.
PMID: 18714085 [PubMed - indexed for MEDLINE]
29. An immunotoxin with greatly reduced immunogenicity by identification and removal of B cell epitopes.
Onda M, Beers R, Xiang L, Nagata S, Wang QC, Pastan I.
Proc Natl Acad Sci U S A. 2008 Aug 12;105(32):11311-6. Epub 2008 Aug 4.
PMID: 18878888 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)
30. Differential cellular internalization of anti-CD19 and -CD22 immunotoxins results in different cytotoxic activity.
Du X, Beers R, Fitzgerald DJ, Pastan I.
Cancer Res. 2008 Aug 1;68(15):6300-5.
PMID: 18676854 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)
31. Targeting IL-13Ralpha2-positive cancer with a novel recombinant immunotoxin composed of a single-chain antibody and mutated *Pseudomonas* exotoxin.
Kioi M, Seetharam S, Puri RK.
Mol Cancer Ther. 2008 Jun;7(6):1579-87.
PMID: 18566228 [PubMed - indexed for MEDLINE] [Free Article](#)
32. Clinical studies with targeted toxins in malignant glioma.
Rainov NG, Söling A.
Rev Recent Clin Trials. 2006 May;1(2):119-31. Review.
PMID: 18473963 [PubMed - indexed for MEDLINE]
33. Molecular targets and targeted therapies for malignant mesothelioma.
Palumbo C, Bei R, Procopio A, Modesti A.
Curr Med Chem. 2008;15(9):855-67. Review.
PMID: 18473795 [PubMed - indexed for MEDLINE]

34. Creation and anti-cancer potency in HeLa cells of a novel chimeric toxin, HMGNCIDIN, composed of HMGN2 a-helical domain and PE38 KDEL domain III.
Xiong WB, Huang N, Feng Y, Wu Q, Wang BY.
Chin Med J (Engl). 2008 Jan 5;121(1):82-5. No abstract available.
PMID: 18208672 [PubMed - indexed for MEDLINE] Free Article

35. Gateways to clinical trials.
Bayés M, Rabasseda X, Prous JR.
Methods Find Exp Clin Pharmacol. 2007 Dec;29(10):697-735.
PMID: 18200333 [PubMed - indexed for MEDLINE]

36. Gateways to clinical trials.
Bayés M, Rabasseda X, Prous JR.
Methods Find Exp Clin Pharmacol. 2007 Nov;29(9):625-55.
PMID: 18193114 [PubMed - indexed for MEDLINE]

37. Anti-mesothelin immunotoxin SS1P in combination with gemcitabine results in increased activity against mesothelin-expressing tumor xenografts.
Hassan R, Broaddus VC, Wilson S, Liewehr DJ, Zhang J.
Clin Cancer Res. 2007 Dec 1;13(23):7166-71.
PMID: 18056197 [PubMed - indexed for MEDLINE] Free Article

38. The disease with hope: hairy cell leukemia.
Becker SE.
Clin J Oncol Nurs. 2007 Oct;11(5):731-5. Review.
PMID: 17962181 [PubMed - indexed for MEDLINE]

39. Mesothelin targeted cancer immunotherapy.
Hassan R, Ho M.
Eur J Cancer. 2008 Jan;44(1):46-53. Epub 2007 Oct 22. Review.
PMID: 17945478 [PubMed - indexed for MEDLINE] Free PMC Article Free text

40. FCRL1 on chronic lymphocytic leukemia, hairy cell leukemia, and B-cell non-Hodgkin lymphoma as a target of immunotoxins.
Du X, Nagata S, Ise T, Stettler-Stevenson M, Pastan I.
Blood. 2008 Jan 1;111(1):338-43. Epub 2007 Sep 25.
PMID: 17895404 [PubMed - indexed for MEDLINE] Free PMC Article Free text

Display Settings: Summary, 20 per page, Sorted by Recently Added

Results: 41 to 60 of 195

41. Mesothelin, a possible target for immunotherapy, is expressed in primary AML cells.
Steinbach D, Onda M, Voigt A, Dawczynski K, Wittig S, Hassan R, Gruhn B, Pastan I.
Eur J Haematol. 2007 Oct;79(4):281-6. Epub 2007 Sep 4.
PMID: 17803679 [PubMed - indexed for MEDLINE] [Free Article](#)
42. Phase I study of SS1P, a recombinant anti-mesothelin immunotoxin given as a bolus I.V. infusion to patients with mesothelin-expressing mesothelioma, ovarian, and pancreatic cancers.
Hassan R, Bullock S, Premkumar A, Kreitman RJ, Kindler H, Willingham MC, Pastan I.
Clin Cancer Res. 2007 Sep 1;13(17):5144-9.
PMID: 17785569 [PubMed - indexed for MEDLINE] [Free Article](#)
43. chFRP5-ZZ-PE38, a large IgG-toxin immunoconjugate outperforms the corresponding smaller FRP5(Fv)-ETA immunotoxin in eradicating Erbb2-expressing tumor xenografts.
Mazor Y, Noy R, Wels WS, Benhar I.
Cancer Lett. 2007 Nov 8;257(1):124-35. Epub 2007 Aug 14.
PMID: 17698286 [PubMed - indexed for MEDLINE]
44. New immunotoxins targeting CD123, a stem cell antigen on acute myeloid leukemia cells.
Du X, Ho M, Pastan I.
J Immunother. 2007 Sep;30(6):607-13.
PMID: 17667524 [PubMed - indexed for MEDLINE]
45. Does erythropoietin have a dark side? Epo signaling and cancer cells.
Sytkowski AJ.
Sci STKE. 2007 Jul 17;2007(395):pe38. Review.
PMID: 17636183 [PubMed - indexed for MEDLINE]
46. Stimulation of baculovirus transcriptome expression in mammalian cells by baculoviral transcriptional activators.
Liu CY, Wang CH, Wang JC, Chao YC.
J Gen Virol. 2007 Aug;88(Pt 8):2176-84.
PMID: 17622620 [PubMed - indexed for MEDLINE] [Free Article](#)
47. TGF-beta receptor I conditional knockout mice develop spontaneous squamous cell carcinoma.
Honjo Y, Bian Y, Kawakami K, Molinolo A, Longenecker G, Boppana R, Larsson J, Karlsson S, Gutkind JS, Puri RK, Kulkarni AB.
Cell Cycle. 2007 Jun 1;6(11):1360-6. Epub 2007 Jun 5.
PMID: 17534148 [PubMed - indexed for MEDLINE] [Free Article](#)
48. Releasable PEGylation of mesothelin targeted immunotoxin SS1P achieves single dosage complete regression of a human carcinoma in mice.
Filpula D, Yang K, Basu A, Hassan R, Xiang L, Zhang Z, Wang M, Wang QC, Ho M, Beers R, Zhao H, Peng P, Zhou J, Li X, Petti G, Janjua A, Liu J, Wu D, Yu D, Zhang Z, Longley C, FitzGerald D, Kreitman RJ, Pastan I.
Biocjug Chem. 2007 May-Jun;18(3):773-84. Epub 2007 Mar 9.
PMID: 17346030 [PubMed - indexed for MEDLINE] [Free Article](#)
49. Gateways to clinical trials.
Bayés M, Rabasseda X, Prous JR.
Methods Find Exp Clin Pharmacol. 2007 Jan-Feb;29(1):53-71.
PMID: 17344945 [PubMed - indexed for MEDLINE]
50. Antibody internalization studied using a novel IgG binding toxin fusion.
Mazor Y, Barnea I, Keydar I, Benhar I.
J Immunol Methods. 2007 Apr 10;321(1-2):41-59. Epub 2007 Feb 6.
PMID: 17336321 [PubMed - indexed for MEDLINE]
51. Mesothelin expression in human lung cancer.
Ho M, Bera TK, Willingham MC, Onda M, Hassan R, FitzGerald D, Pastan I.
Clin Cancer Res. 2007 Mar 1;13(5):1571-5.
PMID: 17332303 [PubMed - indexed for MEDLINE] [Free Article](#)
52. Characterization of the B cell epitopes associated with a truncated form of *Pseudomonas* exotoxin (PE38) used to make immunotoxins for the treatment of cancer patients.
Onda M, Nagata S, FitzGerald DJ, Beers R, Fisher RJ, Vincent JJ, Lee B, Nakamura M, Hwang J, Kreitman RJ, Hassan R, Pastan I.
J Immunol. 2006 Dec 15;177(12):8822-34.
PMID: 17142785 [PubMed - indexed for MEDLINE] [Free Article](#)

53. Variations on a theme: Hox and Wnt combinatorial regulation during animal development.
Bondos S.
Sci STKE. 2006 Oct 3;2006(355):pe38. Review.
PMID: 17018850 [PubMed - indexed for MEDLINE]

54. In vitro and in vivo efficacy of a recombinant immunotoxin against folate receptor beta on the activation and proliferation of rheumatoid arthritis synovial cells.
Nagai T, Tanaka M, Tsuneyoshi Y, Matsushita K, Sunahara N, Matsuda T, Yoshida H, Komiya S, Onda M, Matsuyama T.
Arthritis Rheum. 2006 Oct;54(10):3126-34.
PMID: 17009233 [PubMed - indexed for MEDLINE] Free Article

55. BL22 and lymphoid malignancies.
Kreitman RJ, Pastan I.
Best Pract Res Clin Haematol. 2006;19(4):685-99. Review.
PMID: 16997177 [PubMed - indexed for MEDLINE]

56. Temporal transcription program of recombinant *Autographa californica* multiple nucleopolyhedrosis virus.
Jiang SS, Chang IS, Huang LW, Chen PC, Wen CC, Liu SC, Chien LC, Lin CY, Hsiung CA, Juang JL.
J Virol. 2006 Sep;80(18):8989-99.
PMID: 16940511 [PubMed - indexed for MEDLINE] Free PMC Article Free text

57. Anti-HIV-1 immunotoxin 3B3(Fv)-PE38: enhanced potency against clinical isolates in human PBMCs and macrophages, and negligible hepatotoxicity in macaques.
Kennedy PE, Bera TK, Wang QC, Gallo M, Wagner W, Lewis MG, Berger EA, Pastan I.
J Leukoc Biol. 2006 Nov;80(5):1175-82. Epub 2006 Aug 21.
PMID: 16923920 [PubMed - indexed for MEDLINE] Free Article

58. Tumor-directed radiation and the immunotoxin SS1P in the treatment of mesothelin-expressing tumor xenografts.
Hassan R, Williams-Gould J, Steinberg SM, Liewehr DJ, Yokokawa J, Tsang KY, Surawski RJ, Scott T, Camphausen K.
Clin Cancer Res. 2006 Aug 15;12(16):4983-8.
PMID: 16914588 [PubMed - indexed for MEDLINE] Free Article

59. Synergistic antitumor activity of taxol and immunotoxin SS1P in tumor-bearing mice.
Zhang Y, Xiang L, Hassan R, Paik CH, Carrasquillo JA, Jang BS, Le N, Ho M, Pastan I.
Clin Cancer Res. 2006 Aug 1;12(15):4695-701.
PMID: 16899620 [PubMed - indexed for MEDLINE] Free Article

60. Intratumoral therapy with IL13-PE38 results in effective CTL-mediated suppression of IL-13Ralpha2-expressing contralateral tumors.
Kawakami K, Terabe M, Kioi M, Berzofsky JA, Puri RK.
Clin Cancer Res. 2006 Aug 1;12(15):4678-86.
PMID: 16899618 [PubMed - indexed for MEDLINE] Free Article

Display Settings: Summary, 20 per page, Sorted by Recently Added

Results: 61 to 195

61. Targeted anticancer immunotoxins and cytotoxic agents with direct killing moieties.
Kawakami K, Nakajima O, Morishita R, Nagai R.
ScientificWorldJournal. 2006 Jul 7;6:781-90. Review.
PMID: 16830050 [PubMed - indexed for MEDLINE]
62. Gateways to clinical trials.
Bayes M, Rabasseda X, Prous JR.
Methods Find Exp Clin Pharmacol. 2006 Mar;28(2):121-42.
PMID: 16636723 [PubMed - indexed for MEDLINE]
63. SV40 Pseudovirion gene delivery of a toxin to treat human adenocarcinomas in mice.
Kimchi-Sarfaty C, Vieira WD, Dodds D, Sherman A, Kreitman RJ, Shinar S, Gottesman MM.
Cancer Gene Ther. 2006 Jul;13(7):648-57. Epub 2006 Feb 24.
PMID: 16498428 [PubMed - indexed for MEDLINE] Free PMC Article Free text
64. Expression of *Autographa californica* multiple nucleopolyhedrovirus genes in mammalian cells and upregulation of the host beta-actin gene.
Fujita R, Matsuyama T, Yamagishi J, Sahara K, Asano S, Bando H.
J Virol. 2006 Mar;80(5):2390-5.
PMID: 16474145 [PubMed - indexed for MEDLINE] Free PMC Article Free text
65. [Construction and activity analysis of a recombinant immunotoxin composed of PE38 and a disulfide stable single-chain antibody]
Wang JL, Zheng YL, Wang BL, Guo AG, Ma R, Jiang YQ.
Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2006 Jan;22(1):74-7. Chinese.
PMID: 16388751 [PubMed - indexed for MEDLINE]
66. Living Longer and Paying the Price?
Trojanowski JQ, Jedrzejewski MK, Asch DA.
Sci Aging Knowledge Environ. 2005 Dec 7;2005(49):pe38.
PMID: 16339109 [PubMed - indexed for MEDLINE]
67. Characterization of T-cell repertoire in hairy cell leukemia patients before and after recombinant immunotoxin Bl22 therapy.
Arons E, Sorbara L, Raffeld M, Stettler-Stevenson M, Steinberg SM, Liewehr DJ, Pastan I, Kreitman RJ.
Cancer Immunol Immunother. 2006 Sep;55(9):1100-10. Epub 2005 Nov 26.
PMID: 16311729 [PubMed - indexed for MEDLINE]
68. Combined effects of radiation and interleukin-13 receptor-targeted cytotoxin on glioblastoma cell lines.
Kawakami K, Kawakami M, Liu Q, Puri RK.
Int J Radiat Oncol Biol Phys. 2005 Sep 1;63(1):230-7.
PMID: 16111594 [PubMed - indexed for MEDLINE]
69. Gateways to clinical trials.
Bayés M, Rabasseda X, Prous JR.
Methods Find Exp Clin Pharmacol. 2005 Jun;27(5):331-72.
PMID: 16082422 [PubMed - indexed for MEDLINE]
70. [Construction of interleukin-18-PE38 fusion gene eukaryotic expression vector and its expression in the chondrocyte]
Wu X, Zhang L, Qu Y, Li MY, Jiang ZH, Li H.
Sichuan Da Xue Xue Bao Yi Xue Ban. 2005 Jul;36(4):456-9. Chinese.
PMID: 16078559 [PubMed - indexed for MEDLINE]
71. Phase I trial of recombinant immunotoxin RFB4(dsFv)-PE38 (BL22) in patients with B-cell malignancies.
Kreitman RJ, Squires DR, Stettler-Stevenson M, Noel P, FitzGerald DJ, Wilson WH, Pastan I.
J Clin Oncol. 2005 Sep 20;23(27):6719-29. Epub 2005 Aug 1.
PMID: 16061911 [PubMed - indexed for MEDLINE]
72. R7BP: a surprising new link between G proteins, RGS proteins, and nuclear signaling in the brain.
Hepler JR.
Sci STKE. 2005 Jul 26;2005(294):pe38. Review.
PMID: 16046666 [PubMed - indexed for MEDLINE]
73. CLL immunotoxins.
Frankel AE, Kreitman RJ.
Leuk Res. 2005 Sep;29(9):985-6. Epub 2005 Mar 17.
PMID: 16038723 [PubMed - indexed for MEDLINE]

74. [Studies of the expression, purification, renaturation and biologic activity of an anti-CEA immunotoxin]
Yang H, He D, Chao K, Lin Q, You S, Huang HL.
Sheng Wu Gong Cheng Xue Bao. 2004 May;20(3):348-51. Chinese.
PMID: 15971603 [PubMed - indexed for MEDLINE]

75. [Primary study of recombinant immunotoxin IL-18-PE38 in treating rheumatoid arthritis]
Wu X, Yang C, Zhang L.
Zhongguo Xiu Fu Chong Jian Wai Ke Za Zhi. 2005 Apr;19(4):306-9. Chinese.
PMID: 15921329 [PubMed - indexed for MEDLINE]

76. Genetic engineering of glomerular sclerosis in the mouse via control of onset and severity of podocyte-specific injury.
Matsusaka T, Xin J, Niwa S, Kobayashi K, Akatsuka A, Hashizume H, Wang QC, Pastan I, Fogo AB, Ichikawa I.
J Am Soc Nephrol. 2005 Apr;16(4):1013-23. Epub 2005 Mar 9.
PMID: 15758046 [PubMed - indexed for MEDLINE] Free Article

77. HA22 (R490A) is a recombinant immunotoxin with increased antitumor activity without an increase in animal toxicity.
Bang S, Nagata S, Onda M, Kreitman RJ, Pastan I.
Clin Cancer Res. 2005 Feb 15;11(4):1545-50.
PMID: 15746059 [PubMed - indexed for MEDLINE] Free Article

78. TP-3 immunotoxins improve antitumor activity in mice with osteosarcoma.
Onda M, Bruland ØS, Pastan I.
Clin Orthop Relat Res. 2005 Jan;(430):142-8.
PMID: 15662316 [PubMed - indexed for MEDLINE]

79. Optimization of expression and purification of two biologically active chimeric fusion proteins that consist of human interleukin-13 and Pseudomonas exotoxin in Escherichia coli.
Joshi BH, Puri RK.
Protein Expr Purif. 2005 Feb;39(2):189-98.
PMID: 15642470 [PubMed - indexed for MEDLINE]

80. [Compatible-solute-supported periplasmic expression of recombinant immunotoxins and the effects of glucose thereby]
Ren YM, Zhang MS, He D, Kai C, Luo YW, Huang HL.
Yi Chuan. 2003 Jan;25(1):40-4. Chinese.
PMID: 15639817 [PubMed]

Display Settings: Summary, 20 per page, Sorted by Recently Added

Results: 81 to 100 of 195

81. Gene expression profiling identifies IL-13 receptor alpha 2 chain as a therapeutic target in prostate tumor cells overexpressing adrenomedullin.
Gonzalez-Moreno O, Calvo A, Joshi BH, Abasolo I, Leland P, Wang Z, Montuenga L, Puri RK, Green JE.
Int J Cancer. 2005 May 10;114(6):870-8.
PMID: 15609296 [PubMed - Indexed for MEDLINE]
82. Distribution kinetics of targeted cytotoxin in glioma by bolus or convection-enhanced delivery in a murine model.
Kawakami K, Kawakami M, Kioi M, Husain SR, Puri RK.
J Neurosurg. 2004 Dec;101(6):1004-11.
PMID: 15597761 [PubMed - indexed for MEDLINE]
83. [Construction and prokaryotic expression of a recombinant immunotoxin fused with mouse interleukin 18 and truncated *Pseudomonas* exotoxin]
Li H, Li MY, Jiang ZH, Lü ML, Zhang L.
Sichuan Da Xue Xue Bao Yi Xue Ban. 2004 Nov;35(6):753-6. Chinese.
PMID: 15573745 [PubMed - indexed for MEDLINE]
84. Abrogation of head and neck squamous cell carcinoma growth by epidermal growth factor receptor ligand fused to *Pseudomonas* exotoxin transforming growth factor alpha-PE38.
Thomas SM, Zeng Q, Epperly MW, Gooding WE, Pastan I, Wang QC, Greenberger J, Grandis JR.
Clin Cancer Res. 2004 Oct 15;10(20):7079-87.
PMID: 15501988 [PubMed - indexed for MEDLINE] Free Article
85. In vitro antibody evolution targeting germline hot spots to increase activity of an anti-CD22 immunotoxin.
Ho M, Kreitman RJ, Onda M, Pastan I.
J Biol Chem. 2005 Jan 7;280(1):607-17. Epub 2004 Oct 18.
PMID: 15491997 [PubMed - indexed for MEDLINE] Free Article
86. Nuns and monkeys: investigating the behavior of our oldest old.
Corr JA.
Sci Aging Knowledge Environ. 2004 Oct 13;2004(41):pe38.
PMID: 15483334 [PubMed - indexed for MEDLINE]
87. Analysis of antitumor activity of an interleukin-13 (IL-13) receptor-targeted cytotoxin composed of IL-13 antagonist and *Pseudomonas* exotoxin.
Kioi M, Kawakami K, Puri RK.
Clin Cancer Res. 2004 Sep 15;10(18 Pt 1):6231-8.
PMID: 15448012 [PubMed - indexed for MEDLINE] Free Article
88. [Soluble expression of recombinant immunotoxin against human bladder carcinoma and its anti-tumor activity]
Chao K, He D, Yang H, Zhang Z, Lin Q, Guo AG, Huang HL.
Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2004 Sep;20(5):568-71. Chinese.
PMID: 15367349 [PubMed - indexed for MEDLINE]
89. Nitric oxide accelerates interleukin-13 cytotoxin-mediated regression in head and neck cancer animal model.
Kawakami K, Kawakami M, Puri RK.
Clin Cancer Res. 2004 Aug 1;10(15):5264-70.
PMID: 15297430 [PubMed - indexed for MEDLINE] Free Article
90. Store-operated calcium entry: a tough nut to CRAC.
Penner R, Fleig A.
Sci STKE. 2004 Jul 20;2004(243):pe38. Review.
PMID: 15280580 [PubMed - indexed for MEDLINE]
91. Cytotoxic activity of the recombinant anti-mesothelin immunotoxin, SS1(dsFv)PE38, towards tumor cell lines established from ascites of patients with peritoneal mesotheliomas.
Li Q, Verschraegen CF, Mendoza J, Hassan R.
Anticancer Res. 2004 May-Jun;24(3a):1327-35.
PMID: 15274292 [PubMed - indexed for MEDLINE]
92. Mesothelin: a new target for immunotherapy.
Hassan R, Bera T, Pastan I.
Clin Cancer Res. 2004 Jun 15;10(12 Pt 1):3937-42. Review.
PMID: 15217923 [PubMed - indexed for MEDLINE] Free Article

93. **[Construction, expression and functional characterization of disulfide-stabilized anti-hepatocarcinoma single chain Fv fused with truncated *Pseudomonas* exotoxin]**
Zhao J, Sun ZW, Liu YF, Yu WY.
Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2003 Nov;19(6):585-7. Chinese.
PMID: 15182657 [PubMed - indexed for MEDLINE]

94. **Killing of target cells by redirected granzyme B in the absence of perforin.**
Kirschus FC, Kleinschmidt M, Fellows E, Dormair K, Rudolph R, Lille H, Jenne DE.
FEBS Lett. 2004 Mar 26;562(1-3):87-92.
PMID: 15044006 [PubMed - indexed for MEDLINE]

95. **In vitro and in vivo cytotoxic activities of recombinant immunotoxin 8H9(Fv)-PE38 against breast cancer, osteosarcoma, and neuroblastoma.**
Orda M, Wang QC, Guo HF, Cheung NK, Pastan I.
Cancer Res. 2004 Feb 15;64(4):1419-24.
PMID: 14973056 [PubMed - indexed for MEDLINE] Free Article

96. **Intrapulmonary targeting of RANTES/CCL5-responsive cells prevents chronic fungal asthma.**
Schuh JM, Bleasdale K, Brühl H, Mack M, Hogaboam CM.
Eur J Immunol. 2003 Nov;33(11):3080-90.
PMID: 14579276 [PubMed - indexed for MEDLINE]

97. **Convection enhanced delivery of IL13-PE38QQR for treatment of recurrent malignant glioma: presentation of interim findings from ongoing phase 1 studies.**
Kunwar S.
Acta Neurochir Suppl. 2003;88:105-11.
PMID: 14531568 [PubMed - indexed for MEDLINE]

98. **Dependence receptors: what is the mechanism?**
Chao MV.
Sci STKE. 2003 Sep 16;2003(200):PE38. Review.
PMID: 13130129 [PubMed - indexed for MEDLINE]

99. **Monoclonal antibodies in the treatment of lymphoid leukemia.**
O'Brien S, Giles FJ.
Drugs Today (Barc). 2003 Jul;39(7):541-50. Review.
PMID: 12973402 [PubMed - indexed for MEDLINE]

100. **Deletion of pe38 attenuates AcMNPV genome replication, budded virus production, and virulence in *heliothis virescens*.**
Milks ML, Washburn JO, Willis LG, Volkman LE, Theilmann DA.
Virology. 2003 Jun 5;310(2):224-34.
PMID: 12781710 [PubMed - indexed for MEDLINE]

Display Settings: Summary, 20 per page, Sorted by Recently Added

Results: 101 to 120 of 195

101. Mutants of immunotoxin anti-Tac(dsFv)-PE38 with variable number of lysine residues as candidates for site-specific chemical modification. 1. Properties of mutant molecules.
Onda M, Vincent JJ, Lee B, Pastan I.
Bioconjug Chem. 2003 Mar-Apr;14(2):480-7.
PMID: 12643780 [PubMed - indexed for MEDLINE]

102. An ELISA method for detection of human antibodies to an immunotoxin.
Benbrook DM.
J Pharmacol Toxicol Methods. 2002 May-Jun;47(3):169-75.
PMID: 12628308 [PubMed - indexed for MEDLINE]

103. Design of a modular immunotoxin connected by polyionic adapter peptides.
Kleinschmidt M, Rudolph R, Lille H.
J Mol Biol. 2003 Mar 21;327(2):445-52.
PMID: 12628249 [PubMed - indexed for MEDLINE]

104. Ubiquitin ligase activities of *Bombyx mori* nucleopolyhedrovirus RING finger proteins.
Imai N, Matsuda N, Tanaka K, Nakano A, Matsumoto S, Kang W.
J Virol. 2003 Jan;77(2):923-30.
PMID: 12502808 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

105. Targeted therapy against human lung cancer in nude mice by high-affinity recombinant antimesothelin single-chain Fv immunotoxin.
Fan D, Yano S, Shinohara H, Solorzano C, Van Arsdall M, Bucana CD, Pathak S, Kruzel E, Herbst RS, Onn A, Roach JS, Onda M, Wang QC, Pastan I, Fidler IJ.
Mol Cancer Ther. 2002 Jun;1(8):595-600.
PMID: 12479219 [PubMed - indexed for MEDLINE] [Free Article](#)

106. Monoclonal antibody therapies in leukemias.
Tallman MS.
Semin Hematol. 2002 Oct;39(4 Suppl 3):12-9. Review.
PMID: 12447847 [PubMed - indexed for MEDLINE]

107. Antitumor activity of SS(dsFv)PE38 and SS1(dsFv)PE38, recombinant antimesothelin immunotoxins against human gynecologic cancers grown in organotypic culture in vitro.
Hassan R, Lerner MR, Benbrook D, Lightfoot SA, Brackett DJ, Wang QC, Pastan I.
Clin Cancer Res. 2002 Nov;8(11):3520-6.
PMID: 12429643 [PubMed - indexed for MEDLINE] [Free Article](#)

108. Identification of six *Autographa californica* multicapsid nucleopolyhedrovirus early genes that mediate nuclear localization of G-actin.
Ohkawa T, Rowe AR, Volkman LE.
J Virol. 2002 Dec;76(23):12281-9.
PMID: 12414968 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

109. A functional recombinant single-chain T cell receptor fragment capable of selectively targeting antigen-presenting cells.
Epel M, Ellenhorn JD, Diamond DJ, Reiter Y.
Cancer Immunol Immunother. 2002 Nov;51(10):565-73. Epub 2002 Sep 13.
PMID: 12384808 [PubMed - indexed for MEDLINE]

110. Bayesian network approach to cell signaling pathway modeling.
Sachs K, Gifford D, Jaakkola T, Sorger P, Lauffenburger DA.
Sci STKE. 2002 Sep 3;2002(148):pe38.
PMID: 12209052 [PubMed - indexed for MEDLINE]

111. Augmentation of the activity of an immunotoxin, anti-Tac(Fv)-PE40KDEL, in T cell lines infected with human T cell leukemia virus type I.
Ohno N, Kreitman RJ, Saito T, Masamoto I, Uozumi K, Hanada S, Takeuchi S, Furukawa T, Sumizawa T, Arima T, Akiyama S.
Leuk Lymphoma. 2002 Apr;43(4):885-8.
PMID: 12153180 [PubMed - indexed for MEDLINE]

112. Heterogeneity in interleukin-13 receptor expression and subunit structure in squamous cell carcinoma of head and neck: differential sensitivity to chimeric fusion proteins comprised of interleukin-13 and a mutated form of *Pseudomonas* exotoxin.
Joshi BH, Kawakami K, Leland P, Puri RK.
Clin Cancer Res. 2002 Jun;8(6):1948-56.
PMID: 12060640 [PubMed - indexed for MEDLINE] [Free Article](#)

113. T-cell depletion and graft survival induced by anti-human CD3 immunotoxins in human CD3epsilon transgenic mice.
Weetall M, Digan ME, Hugo R, Mathew S, Hopf C, Tart-Risher N, Zhang J, Shi V, Fu F, Hammond-McKibben D, West S, Brack R, Brinkmann V, Bergman R, Neville D Jr, Lake P.
Transplantation. 2002 May 27;73(10):1658-66.
PMID: 12042656 [PubMed - indexed for MEDLINE]

114. Improved cytotoxic activity toward cell lines and fresh leukemia cells of a mutant anti-CD22 immunotoxin obtained by antibody phage display.
Salvatore G, Beers R, Margulies I, Kreitman RJ, Pastan I.
Clin Cancer Res. 2002 Apr;8(4):995-1002.
PMID: 11948105 [PubMed - indexed for MEDLINE] Free Article

115. Technology evaluation: BL22, NCI.
Barth S.
Curr Opin Mol Ther. 2002 Feb;4(1):72-5. Review.
PMID: 11883697 [PubMed - indexed for MEDLINE]

116. Identification and molecular characterization of the baculovirus CfMNPV early genes: ie-1, ie-2 and pe38.
Carstens EB, Liu JJ, Dominy C.
Virus Res. 2002 Feb 26;83(1-2):13-30.
PMID: 11864738 [PubMed - indexed for MEDLINE]

117. Expression of HER2 in human gastric cancer cells directly correlates with antitumor activity of a recombinant disulfide-stabilized anti-HER2 immunotoxin.
Shinohara H, Morita S, Kawai M, Miyamoto A, Sonoda T, Pastan I, Tanigawa N.
J Surg Res. 2002 Feb;102(2):169-77.
PMID: 11796015 [PubMed - indexed for MEDLINE]

118. A divalent recombinant immunotoxin formed by a disulfide bond between the extension peptide chains.
Park JH, Kwon HW, Chung HK, Kim IH, Ahn K, Choi EJ, Pastan I, Choe M.
Mol Cells. 2001 Dec 31;12(3):398-402.
PMID: 11804341 [PubMed - indexed for MEDLINE] Free Article

119. Treatment of hairy-cell leukemia.
Saven A.
N Engl J Med. 2001 Nov 15;345(20):1500-1. No abstract available.
PMID: 11794207 [PubMed - indexed for MEDLINE]

120. Toxin-labeled monoclonal antibodies.
Kreitman RJ.
Curr Pharm Biotechnol. 2001 Dec;2(4):313-25. Review.
PMID: 11762413 [PubMed - indexed for MEDLINE]

Display Settings: Summary, 20 per page, Sorted by Recently Added

Results: 121 to 140 of 195

121. Targeting multidrug resistant tumor cells with a recombinant single-chain FV fragment directed to P-glycoprotein.
Niv R, Assaraf YG, Segal D, Pirak E, Reiter Y.
Int J Cancer. 2001 Dec 15;94(6):864-72.
PMID: 11745490 [PubMed - indexed for MEDLINE]

122. Signaling pathways regulating Golgi structure and function.
Preisinger C, Barr FA.
Sci STKE. 2001 Oct 30;2001(106):pe38. Review.
PMID: 11687710 [PubMed - indexed for MEDLINE]

123. Influence of relative binding affinity on efficacy in a panel of anti-CD3 scFv immunotoxins.
Hexham JM, Dudas D, Hugo R, Thompson J, King V, Dowling C, Neville DM Jr, Digan ME, Lake P.
Mol Immunol. 2001 Sep;38(5):397-408.
PMID: 11684296 [PubMed - indexed for MEDLINE]

124. Genome sequence of a baculovirus pathogenic for *Culex nigripalpus*.
Afonso CL, Tulman ER, Lu Z, Balinsky CA, Moser BA, Becnel JJ, Rock DL, Kutish GF.
J Virol. 2001 Nov;75(22):11157-65.
PMID: 11602755 [PubMed - indexed for MEDLINE] Free PMC Article Free text

125. A magic bullet for cancer--how near and how far?
Schnipper LE, Strom TB.
N Engl J Med. 2001 Jul 26;345(4):283-4. No abstract available. Erratum in: *N Engl J Med* 2001 Nov 1;345(18):1356.
PMID: 11474668 [PubMed - indexed for MEDLINE]

126. Efficacy of the anti-CD22 recombinant immunotoxin BL22 in chemotherapy-resistant hairy-cell leukemia.
Kreitman RJ, Wilson WH, Bergeron K, Raggio M, Stetler-Stevenson M, FitzGerald DJ, Pastan I.
N Engl J Med. 2001 Jul 26;345(4):241-7.
PMID: 11474661 [PubMed - indexed for MEDLINE] Free Article

127. Cytotoxicity of Antiosteosarcoma Recombinant Immunotoxins Composed of TP-3 Fv Fragments and a Truncated *Pseudomonas* Exotoxin A.
Onda M, Olafsen T, Tsutsumi Y, Bruland ØS OS, Pastan I.
J Immunother (1991). 2001 Mar;24(2):144-150.
PMID: 11449071 [PubMed - as supplied by publisher]

128. Lowering the isoelectric point of the Fv portion of recombinant immunotoxins leads to decreased nonspecific animal toxicity without affecting antitumor activity.
Onda M, Nagata S, Tsutsumi Y, Vincent JJ, Wang Q, Kreitman RJ, Lee B, Pastan I.
Cancer Res. 2001 Jul 1;61(13):5070-7.
PMID: 11431343 [PubMed - Indexed for MEDLINE] Free Article

129. Isolation of new anti-CD30 scFvs from DNA-immunized mice by phage display and biologic activity of recombinant immunotoxins produced by fusion with truncated *pseudomonas* exotoxin.
Rozemuller H, Chowdhury PS, Pastan I, Kreitman RJ.
Int J Cancer. 2001 Jun 15;92(6):861-70.
PMID: 11351308 [PubMed - indexed for MEDLINE]

130. Cytotoxicity of antiosteosarcoma recombinant immunotoxins composed of TP-3 Fv fragments and a truncated *Pseudomonas* exotoxin A.
Onda M, Olafsen T, Tsutsumi Y, Bruland OS, Pastan I.
J Immunother. 2001 Mar-Apr;24(2):144-50.
PMID: 11265772 [PubMed - indexed for MEDLINE]

131. Dynamic nuclear localization of the baculovirus proteins IE2 and PE38 during the infection cycle: the promyelocytic leukemia protein colocalizes with IE2.
Murge D, Quadt I, Schröer J, Knebel-Mörsdorf D.
Exp Cell Res. 2001 Apr 1;264(2):219-32.
PMID: 11262179 [PubMed - indexed for MEDLINE]

132. Inhibition of TNF-alpha produced by Kupffer cells protects against the nonspecific liver toxicity of immunotoxin anti-Tac(Fv)-PE38, LMB-2.
Onda M, Willingham M, Wang QC, Kreitman RJ, Tsutsumi Y, Nagata S, Pastan I.
J Immunol. 2000 Dec 15;165(12):7150-6.

PMID: 11120846 [PubMed - indexed for MEDLINE] Free Article

133. The *Autographa californica* nucleopolyhedrovirus IE-1 protein complex has two modes of specific DNA binding.
Leisy DJ, Rohrmann GF.
Virology. 2000 Aug 15;274(1):196-202.
PMID: 10936100 [PubMed - indexed for MEDLINE]

134. Immunotoxins with increased activity against epidermal growth factor receptor VIII-expressing cells produced by antibody phage display.
Beers R, Chowdhury P, Bigner D, Pastan I.
Clin Cancer Res. 2000 Jul;6(7):2835-43.
PMID: 10914732 [PubMed - indexed for MEDLINE] Free Article

135. Site-specific chemical modification with polyethylene glycol of recombinant immunotoxin anti-Tac(Fv)-PE38 (LMB-2) improves antitumor activity and reduces animal toxicity and immunogenicity.
Tsutsumi Y, Onda M, Nagata S, Lee B, Kreitman RJ, Pastan I.
Proc Natl Acad Sci U S A. 2000 Jul 18;97(15):8548-53.
PMID: 10890891 [PubMed - indexed for MEDLINE] Free PMC Article Free text

136. Apoptosis induced by immunotoxins used in the treatment of hematologic malignancies.
Keppler-Hafkemeyer A, Kreitman RJ, Pastan I.
Int J Cancer. 2000 Jul 1;87(1):86-94.
PMID: 10861457 [PubMed - indexed for MEDLINE]

137. Conversion of interleukin-13 into a high affinity agonist by a single amino acid substitution.
Oshima Y, Joshi BH, Puri RK.
J Biol Chem. 2000 May 12;275(19):14375-80.
PMID: 10799519 [PubMed - indexed for MEDLINE] Free Article

138. Specific killing of HIV-infected lymphocytes by a recombinant immunotoxin directed against the HIV-1 envelope glycoprotein.
Bera TK, Kennedy PE, Berger EA, Barbas CF 3rd, Pastan I.
Mol Med. 1998 Jun;4(6):384-91.
PMID: 10780881 [PubMed - indexed for MEDLINE] Free PMC Article Free text

139. Cytotoxic activity of disulfide-stabilized recombinant immunotoxin RFB4(dsFv)-PE38 (BL22) toward fresh malignant cells from patients with B-cell leukemias.
Kreitman RJ, Margulies I, Stetler-Stevenson M, Wang QC, FitzGerald DJ, Pastan I.
Clin Cancer Res. 2000 Apr;6(4):1476-87.
PMID: 10778980 [PubMed - indexed for MEDLINE] Free Article

140. Pharmacokinetics of 111In- and 125I-labeled antiTac single-chain Fv recombinant immunotoxin.
Kobayashi H, Kao CH, Kreitman RJ, Le N, Kim MK, Brechbier MW, Paik CH, Pastan I, Carrasquillo JA.
J Nucl Med. 2000 Apr;41(4):755-62.
PMID: 10768579 [PubMed - indexed for MEDLINE] Free Article

Display Settings: Summary, 20 per page, Sorted by Recently Added.

Results: 141 to 160 of 195

141. Phase I trial of recombinant immunotoxin anti-Tac(Fv)-PE38 (LMB-2) in patients with hematologic malignancies.
Kreitman RJ, Wilson WH, White JD, Stetler-Stevenson M, Jaffe ES, Giardina S, Waldmann TA, Pastan I.
J Clin Oncol. 2000 Apr;18(8):1622-36.
PMID: 10764422 [PubMed - Indexed for MEDLINE]

142. Chimeric toxins targeted to the human immunodeficiency virus type 1 envelope glycoprotein augment the in vivo activity of combination antiretroviral therapy in thy/liv-SCID-Hu mice.
Goldstein H, Pettoello-Mantovani M, Bera TK, Pastan IH, Berger EA.
J Infect Dis. 2000 Mar;181(3):921-6.
PMID: 10720513 [PubMed - indexed for MEDLINE]

143. Recombinant toxins that bind to the urokinase receptor are cytotoxic without requiring binding to the alpha(2)-macroglobulin receptor.
Rajagopal V, Kreitman RJ.
J Biol Chem. 2000 Mar 17;275(11):7566-73.
PMID: 10713063 [PubMed - indexed for MEDLINE] [Free Article](#)

144. Hairy cell leukemia, a B-cell neoplasm that is particularly sensitive to the cytotoxic effect of anti-Tac(Fv)-PE38 (LMB-2).
Robbins DH, Margulies I, Stetler-Stevenson M, Kreitman RJ.
Clin Cancer Res. 2000 Feb;6(2):693-700.
PMID: 10690555 [PubMed - indexed for MEDLINE] [Free Article](#)

145. Reduction of the nonspecific animal toxicity of anti-Tac(Fv)-PE38 by mutations in the framework regions of the Fv which lower the isoelectric point.
Onda M, Kreitman RJ, Vasmatzis G, Lee B, Pastan I.
J Immunol. 1999 Dec 1;163(11):6072-7.
PMID: 10570296 [PubMed - Indexed for MEDLINE] [Free Article](#)

146. Responses in refractory hairy cell leukemia to a recombinant immunotoxin.
Kreitman RJ, Wilson WH, Robbins D, Margulies I, Stetler-Stevenson M, Waldmann TA, Pastan I.
Blood. 1999 Nov 15;94(10):3340-8.
PMID: 10552943 [PubMed - indexed for MEDLINE] [Free Article](#)

147. Pharmacokinetics and antitumor activity of a bivalent disulfide-stabilized Fv immunotoxin with improved antigen binding to erbB2.
Bera TK, Viner J, Brinkmann E, Pastan I.
Cancer Res. 1999 Aug 15;59(16):4018-22.
PMID: 10463601 [PubMed - indexed for MEDLINE] [Free Article](#)

148. The baculovirus PE38 protein augments apoptosis induced by transactivator IE1.
Prikhod'ko EA, Miller LK.
J Virol. 1999 Aug;73(8):6691-9.
PMID: 10400766 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

149. Evidence for a structural motif in toxins and interleukin-2 that may be responsible for binding to endothelial cells and initiating vascular leak syndrome.
Baluna R, Rizo J, Gordon BE, Ghetie V, Vitetta ES.
Proc Natl Acad Sci U S A. 1999 Mar 30;96(7):3957-62.
PMID: 10097145 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

150. Complete regression of human B-cell lymphoma xenografts in mice treated with recombinant anti-CD22 immunotoxin RFB4(dsFv)-PE38 at doses tolerated by cynomolgus monkeys.
Kreitman RJ, Wang QC, FitzGerald DJ, Pastan I.
Int J Cancer. 1999 Mar 31;81(1):148-55.
PMID: 10077166 [PubMed - indexed for MEDLINE]

151. Role of caspases in immunotoxin-induced apoptosis of cancer cells.
Keppler-Hafkemeyer A, Brinkmann U, Pastan I.
Biochemistry. 1998 Dec 1;37(48):16934-42.
PMID: 9836586 [PubMed - indexed for MEDLINE]

152. Comparison of recombinant immunotoxins against LeY antigen expressing tumor cells: influence of affinity, size, and stability.
Bera TK, Pastan I.
Bioconjug Chem. 1998 Nov-Dec;9(6):736-43.
PMID: 9815167 [PubMed - indexed for MEDLINE]

153. In vitro transcription of pe38/polyhedrin hybrid promoters reveals sequences essential for recognition by the baculovirus-induced RNA

polymerase and for the strength of very late viral promoters.

Mans RM, Knebel-Mörsdorf D.

J Virol. 1998 Apr;72(4):2991-8.

PMID: 9525621 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

154. Accumulation of a recombinant immunotoxin in a tumor *in vivo*: fewer than 1000 molecules per cell are sufficient for complete responses.

Kreitman RJ, Pastan I.

Cancer Res. 1998 Mar 1;58(5):968-75.

PMID: 9500458 [PubMed - indexed for MEDLINE] [Free Article](#)

155. Furin-mediated cleavage of *Pseudomonas* exotoxin-derived chimeric toxins.

Chiron MF, Fryling CM, FitzGerald D.

J Biol Chem. 1997 Dec 12;272(50):31707-11.

PMID: 9395513 [PubMed - indexed for MEDLINE] [Free Article](#)

156. Construction and enhanced cytotoxicity of a [cyanovirin-N]-[*Pseudomonas* exotoxin] conjugate against human immunodeficiency virus-infected cells.

Mori T, Shoemaker RH, McMahon JB, Gulakowski RJ, Gustafson KR, Boyd MR.

Biochem Biophys Res Commun. 1997 Oct 29;239(3):884-8.

PMID: 9367864 [PubMed - indexed for MEDLINE]

157. Identification of the early actin-rearrangement-inducing factor gene, *arif-1*, from *Autographa californica* multicapsid nuclear polyhedrosis virus.

Roncarati R, Knebel-Mörsdorf D.

J Virol. 1997 Oct;71(10):7933-41. Erratum in: J Virol 1998 Jan;72(1):888-9.

PMID: 9311884 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

158. Recombinant RFB4 immunotoxins exhibit potent cytotoxic activity for CD22-bearing cells and tumors.

Mansfield E, Amlot P, Pastan I, FitzGerald DJ.

Blood. 1997 Sep 1;90(5):2020-6.

PMID: 9292538 [PubMed - indexed for MEDLINE] [Free Article](#)

159. Identification of epitopes on a mutant form of *Pseudomonas* exotoxin using serum from humans treated with *Pseudomonas* exotoxin containing immunotoxins.

Roscoe DM, Pai LH, Pastan I.

Eur J Immunol. 1997 Jun;27(6):1459-68.

PMID: 9209499 [PubMed - indexed for MEDLINE]

160. Genetically variable triplet repeats in a RING-finger ORF of *Helicoverpa* species baculoviruses.

Le TH, Wu T, Robertson A, Bulach D, Cowan P, Goode K, Tribe D.

Virus Res. 1997 May;49(1):67-77.

PMID: 9178498 [PubMed - indexed for MEDLINE]

Display Settings: Summary, 20 per page, Sorted by Recently Added

Results: 161 to 180 of 195

161. Initiation of baculovirus DNA replication: early promoter regions can function as infection-dependent replicating sequences in a plasmid-based replication assay.
Wu Y, Carstens EB.
J Virol. 1996 Oct;70(10):6967-72.
PMID: 8794340 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

162. Characterization of RFB4-Pseudomonas exotoxin A immunotoxins targeted to CD22 on B-cell malignancies.
Mansfield E, Pastan I, FitzGerald DJ.
Bioconjug Chem. 1996 Sep-Oct;7(5):557-63.
PMID: 8889017 [PubMed - indexed for MEDLINE]

163. Recombinant single-chain and disulfide-stabilized Fv-immunotoxins that cause complete regression of a human colon cancer xenograft in nude mice.
Reiter Y, Wright AF, Tonge DW, Pastan I.
Int J Cancer. 1996 Jul 3;67(1):113-23.
PMID: 8690511 [PubMed - indexed for MEDLINE]

164. Specific depletion of alloreactivity against haplotype mismatched related individuals by a recombinant immunotoxin: a new approach to graft-versus-host disease prophylaxis in haploidentical bone marrow transplantation.
Mavroudis DA, Jiang YZ, Hensel N, Lewalle P, Couriel D, Kreitman RJ, Pastan I, Barrett AJ.
Bone Marrow Transplant. 1998 May;17(5):793-9.
PMID: 8733700 [PubMed - indexed for MEDLINE]

165. Baculovirus infection of *Spodoptera exigua* larvae: *lacZ* expression driven by promoters of early genes pe38 and me53 in larval tissue.
Knebel-Mörsdorf D, Flipsen JT, Roncarati R, Jahnel F, Kleefsman AW, Vlak JM.
J Gen Virol. 1996 May;77 (Pt 5):815-24.
PMID: 8609477 [PubMed - indexed for MEDLINE] [Free Article](#)

166. Treatment of advanced solid tumors with immunotoxin LMB-1: an antibody linked to Pseudomonas exotoxin.
Pai LH, Witten R, Setser A, Willingham MC, Pastan I.
Nat Med. 1996 Mar;2(3):350-3.
PMID: 8612238 [PubMed - indexed for MEDLINE]

167. Improved antitumor activity of a recombinant anti-Lewis(y) immunotoxin not requiring proteolytic activation.
Kuan CT, Pastan I.
Proc Natl Acad Sci U S A. 1996 Feb 6;93(3):974-8.
PMID: 8577771 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

168. Immunotoxins containing Pseudomonas exotoxin that target LeY damage human endothelial cells in an antibody-specific mode: relevance to vascular leak syndrome.
Kuan CT, Pai LH, Pastan I.
Clin Cancer Res. 1995 Dec;1(12):1589-94.
PMID: 9815960 [PubMed - indexed for MEDLINE] [Free Article](#)

169. Identification of residues that stabilize the single-chain Fv of monoclonal antibodies B3.
Benhar I, Pastan I.
J Biol Chem. 1995 Oct 6;270(40):23373-80.
PMID: 7559495 [PubMed - indexed for MEDLINE] [Free Article](#)

170. Targeting Pseudomonas exotoxin to hematologic malignancies.
Kreitman RJ, Pastan I.
Semin Cancer Biol. 1995 Oct;6(5):297-306. Review.
PMID: 8562907 [PubMed - indexed for MEDLINE]

171. Characterization of B1(Fv)PE38 and B1(dsFv)PE38: single-chain and disulfide-stabilized Fv immunotoxins with increased activity that cause complete remissions of established human carcinoma xenografts in nude mice.
Benhar I, Pastan I.
Clin Cancer Res. 1995 Sep;1(9):1023-9.
PMID: 9816075 [PubMed - indexed for MEDLINE] [Free Article](#)

172. Expression of PE38 and IE2, viral members of the C3HC4 finger family, during baculovirus infection: PE38 and IE2 localize to distinct nuclear regions.
Krappe R, Roncarati R, Knebel-Mörsdorf D.
J Virol. 1995 Sep;69(9):5287-93.

173. Administration of disulfide-stabilized Fv-immunotoxins B1(dsFv)-PE38 and B3(dsFv)-PE38 by continuous infusion increases their efficacy in curing large tumor xenografts in *nude* mice.
Benhar I, Reiter Y, Pai LH, Pastan I.
Int J Cancer. 1995 Jul 28;62(3):351-5.
PMID: 7628878 [PubMed - indexed for MEDLINE]

174. Importance of the glutamate residue of KDEL in increasing the cytotoxicity of *Pseudomonas* exotoxin derivatives and for increased binding to the KDEL receptor.
Kreitman RJ, Pastan I.
Biochem J. 1995 Apr 1;307 (Pt 1):29-37.
PMID: 7717988 [PubMed - indexed for MEDLINE] Free PMC Article Free text

175. Intrathecal administration of single-chain immunotoxin, LMB-7 [B3(Fv)-PE38], produces cures of carcinomatous meningitis in a rat model.
Pastan IH, Archer GE, McLendon RE, Friedman HS, Fuchs HE, Wang QC, Pai LH, Herndon J, Bigner DD.
Proc Natl Acad Sci U S A. 1995 Mar 28;92(7):2765-9.
PMID: 7708720 [PubMed - indexed for MEDLINE] Free PMC Article Free text

176. Construction of a functional disulfide-stabilized TCR Fv indicates that antibody and TCR Fv frameworks are very similar in structure.
Reiter Y, Kurucz I, Brinkmann U, Jung SH, Lee B, Segal DM, Pastan I.
Immunity. 1995 Mar;2(3):281-7.
PMID: 7697545 [PubMed - indexed for MEDLINE]

177. Rapid humanization of the Fv of monoclonal antibody B3 by using framework exchange of the recombinant immunotoxin B3(Fv)-PE38.
Benhar I, Padlan EA, Jung SH, Lee B, Pastan I.
Proc Natl Acad Sci U S A. 1994 Dec 6;91(25):12051-5.
PMID: 7991583 [PubMed - indexed for MEDLINE] Free PMC Article Free text

178. Cloning, expression and characterization of the Fv fragments of the anti-carbohydrate mAbs B1 and B5 as single-chain immunotoxins.
Benhar I, Pastan I.
Protein Eng. 1994 Dec;7(12):1509-15.
PMID: 7716163 [PubMed - indexed for MEDLINE]

179. Identification of genes involved in DNA replication of the *Autographa californica* baculovirus.
Kool M, Ahrens CH, Goldbach RW, Rohrmann GF, Vlak JM.
Proc Natl Acad Sci U S A. 1994 Nov 8;91(23):11212-6.
PMID: 7972036 [PubMed - indexed for MEDLINE] Free PMC Article Free text

180. Primate antibody response to immunotoxin: serological and computer-aided analysis of epitopes on a truncated form of *Pseudomonas* exotoxin.
Roscoe DM, Jung SH, Benhar I, Pai L, Lee BK, Pastan I.
Infect Immun. 1994 Nov;62(11):5055-65.
PMID: 7927788 [PubMed - indexed for MEDLINE] Free PMC Article Free text

Display Settings: Summary, 20 per page, Sorted by Recently Added

Results: 181 to 195 of 195

181. Mutations of two lysine residues in the CDR loops of a recombinant immunotoxin that reduce its sensitivity to chemical derivatization.
Benhar I, Brinkmann U, Webber KO, Pastan I.
Bioconjug Chem. 1994 Jul-Aug;5(4):321-6.
PMID: 7948099 [PubMed - indexed for MEDLINE]
182. Antitumor activity and pharmacokinetics in mice of a recombinant immunotoxin containing a disulfide-stabilized Fv fragment.
Reiter Y, Pai LH, Brinkmann U, Wang QC, Pastan I.
Cancer Res. 1994 May 15;54(10):2714-8.
PMID: 8168102 [PubMed - indexed for MEDLINE] [Free Article](#)
183. Transforming growth factor-alpha-Pseudomonas exotoxin fusion protein (TGF-alpha-PE38) treatment of subcutaneous and intracranial human glioma and medulloblastoma xenografts in athymic mice.
Phillips PC, Levow C, Catterall M, Colvin OM, Pastan I, Brem H.
Cancer Res. 1994 Feb 15;54(4):1008-15.
PMID: 8313355 [PubMed - indexed for MEDLINE]
184. Recombinant immunotoxins containing anti-Tac(Fv) and derivatives of Pseudomonas exotoxin produce complete regression in mice of an interleukin-2 receptor-expressing human carcinoma.
Kreitman RJ, Bailon P, Chaudhary VK, FitzGerald DJ, Pastan I.
Blood. 1994 Jan 15;83(2):426-34.
PMID: 8286741 [PubMed - indexed for MEDLINE] [Free Article](#)
185. TGF alpha-PE40 inhibits non-small cell lung cancer growth.
Draoui M, Siegall CB, FitzGerald D, Pastan I, Moody TW.
Life Sci. 1994;54(7):445-53.
PMID: 8309347 [PubMed - indexed for MEDLINE]
186. An immunotoxin with increased activity and homogeneity produced by reducing the number of lysine residues in recombinant Pseudomonas exotoxin.
Debinski W, Pastan I.
Bioconjug Chem. 1994 Jan-Feb;5(1):40-6.
PMID: 8199233 [PubMed - indexed for MEDLINE]
187. Polyethylene glycol-modified chimeric toxin composed of transforming growth factor alpha and Pseudomonas exotoxin.
Wang QC, Pai LH, Debinski W, FitzGerald DJ, Pastan I.
Cancer Res. 1993 Oct 1;53(19):4588-94.
PMID: 8402632 [PubMed - indexed for MEDLINE]
188. Sequence and temporal appearance of the early transcribed baculovirus gene HE65.
Becker D, Knebel-Mörsdorf D.
J Virol. 1993 Oct;67(10):5867-72.
PMID: 8371346 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)
189. Characterization of an early gene coding for a highly basic 8.9K protein from the *Orgyia pseudotsugata* multicapsid nuclear polyhedrosis virus.
Wu X, Stewart S, Theilmann DA.
J Gen Virol. 1993 Aug;74 (Pt 8):1591-8.
PMID: 8345350 [PubMed - indexed for MEDLINE] [Free Article](#)
190. Heparin-binding transforming growth factor alpha-Pseudomonas exotoxin A. A heparan sulfate-modulated recombinant toxin cytotoxic to cancer cells and proliferating smooth muscle cells.
Mesri EA, Kreitman RJ, Fu YM, Epstein SE, Pastan I.
J Biol Chem. 1993 Mar 5;268(7):4853-62.
PMID: 8444864 [PubMed - indexed for MEDLINE]
191. Single-chain immunotoxin fusions between anti-Tac and Pseudomonas exotoxin: relative importance of the two toxin disulfide bonds.
Kreitman RJ, Batra JK, Seetharam S, Chaudhary VK, FitzGerald DJ, Pastan I.
Bioconjug Chem. 1993 Mar-Apr;4(2):112-20.
PMID: 7873642 [PubMed - indexed for MEDLINE]
192. Immunotoxins made with a recombinant form of Pseudomonas exotoxin A that do not require proteolysis for activity.
Theuer CP, Kreitman RJ, FitzGerald DJ, Pastan I.
Cancer Res. 1993 Jan 15;53(2):340-7.
PMID: 8417828 [PubMed - indexed for MEDLINE] [Free Article](#)

193. Differential factor binding at the promoter of early baculovirus gene PE38 during viral infection: GATA motif is recognized by an insect protein.
Krappa R, Behn-Krappa A, Jahnel F, Doerfler W, Knebel-Mörsdorf D.
J Virol. 1992 Jun;66(6):3494-503.
PMID: 1583720 [PubMed - indexed for MEDLINE] Free PMC Article Free text

194. Properties of chimeric toxins with two recognition domains: interleukin 6 and transforming growth factor alpha at different locations in *Pseudomonas exotoxin*.
Kreitman RJ, Siegall CB, Chaudhary VK, FitzGerald DJ, Pastan I.
Biconjug Chem. 1992 Jan-Feb;3(1):63-8.
PMID: 1616951 [PubMed - indexed for MEDLINE]

195. Molecular species of phospholipid in rat hepatomas and in fetal, regenerating, and adult rat livers.
Satouchi K, Mizuno T, Samejima Y, Saito K.
Cancer Res. 1984 Apr;44(4):1460-4.
PMID: 6704962 [PubMed - indexed for MEDLINE] Free Article